IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A dumb gateway device for connecting [[a]] at least one bus system with a common network layer that is designed to build a transparent access network by connecting at least one bus system via the at least one dumb gateway device to said common network layer, said dumb gateway device comprising:

a bus service interface configured to access all functionality and commands of said <u>at</u>

<u>least one</u> bus system via said common network layer from an intelligent gateway connected to said common network layer.

Claim 2 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface is able to post bus events on said common network layer in case a device within said respective bus system indicates the possibility to communicate via said common network layer.

Claim 3 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface is usable by a device presenter to communicate with the corresponding real device connected to said respective bus system.

Claim 4 (Currently Amended): [[A]] <u>The</u> dumb gateway device according to claim 1, wherein said bus service interface is able to represent a virtual device to its respective bus system based on a corresponding device emulator.

Claim 5 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said bus service interface communicates via said common network layer according to the Universal Plug and Play protocol set.

Claim 6 (Currently Amended): [[A]] The dumb gateway device according to claim 1, wherein said intelligent gateway communicates with said dumb gateway device, which respectively connects to a respective bus system that includes at least one physical device, with a common network layer, comprising a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device to said common network layer.

Claim 7 (Previously Presented): An intelligent gateway for communicating between gateway devices, which respectively connect to a respective bus system, that includes at least one physical device, with a common network layer, comprising:

a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device to said common network layer.

Claim 8 (Previously Presented): An intelligent gateway according to claim 7, wherein a device manager that monitors bus events for new devices, which are posted on said common network layer, and finds, loads and assigns corresponding device presenters and/or emulators.

Claim 9 (Previously Presented): An intelligent gateway according to claim 8, wherein said device manager loads device presenters and/or emulators from external sources.

Claim 10 (Previously Presented): An intelligent gateway according to claim 7, further comprising:

a device presenter configured to present a real device on a bus system as a generic abstract device or service.

Claim 11 (Previously Presented): An intelligent gateway according to claim 7, further comprising:

a device emulator configured to emulate a device on a bus system based on a generic abstract device or service presentation.

Claim 12 (Previously Presented): An intelligent gateway according to claim 10, wherein said generic abstract device or service presentation is a presentation according to the Universal Plug and Play protocol set.

Claim 13 (Currently Amended): An transparent access network that integrates at least two bus systems, each of which comprises a respective gateway device according to claim 1, comprising:

at least one intelligent gateway for communicating between gateway devices, which respectively connect to a respective bus system said at least on gateway including at least one physical device, with a common network layer, including a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device (5:6) to said common network layer, and

said common network layer being connected to the respective gateways and said at least one intelligent gateway.